



2008721

May 9, 2002

Mr. Jim Christiansen
United States Environmental Protection Agency
Region 8
999 18th Street - Suite 300
Denver, CO 80202-2466

2002 MAY 13 PM 2:08
EPA REGION 8
SUPERFUND BRANCH

Ref: 8EPR-SR

RE: Richardson Flat Monthly Status Report for April 2002

Dear Mr. Christiansen:

This monthly Status Report details site activities conducted at Richardson Flat for April 2002. Also included are the laboratory analytical data from the surface water and groundwater samples collected during April 2002.

Sampling Activities Conducted:

Surface and groundwater were sampled on April 1 and April 16, 2002.

Surface and Groundwater Sampling:

On April 1, 2002 the twelfth round of monthly surface water sampling was conducted. Surface water samples were collected at locations RF-8, RF-7-2 and RF-6-2. One duplicate sample was collected at location RF-6-2. Groundwater samples were collected with a peristaltic pump at monitoring wells RT-11, RT-12, RT-13, RT-14 and RT-15. One duplicate groundwater sample was collected from monitor well RT-11. Samples were submitted to the laboratory on April 6, 2002. One sample was collected at piezometer RT-7.

An additional round of sampling was conducted on April 16, 2002. Samples were collected at locations RF-12, RF-11, RF-5, RF-4, RF-3-2, RF-2, and RF-1. RF-11 and RF-12 are new stations located on the upper reaches of the South Diversion Ditch.

Draft RI Report Preparation

The draft RI report will be submitted to EPA in June 2002. The draft report will be used to assist EPA in human health and ecological risk assessment.

Results:

The results of the April 1, 2002 surface water and groundwater sampling are reported in Table 1. Laboratory and chain-of-custody reports are located in Appendix A. Field data sheets can be found in Appendix B. An electronic copy of the AEC and Frontier Geosciences laboratory analytical reports will be emailed to you and Jeff Montera. The results of the April 16, 2002 sampling will be provided in the May monthly report.

Planned Activities: May 2002

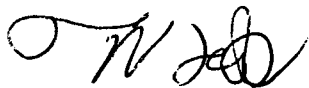
1. Monthly surface and groundwater sampling will be conducted the week of May 6, 2002.
2. RMC will continue to work on the Draft RI report.

Planned Activities: June 2002

1. Monthly surface and groundwater sampling will be conducted the week of June 3, 2002.
2. RMC will submit the Draft RI report.

If you should have any questions or comments, please contact me at 801-255-2626.

Best regards,



Todd Leeds
RMC

Attachment: Table 1, Analytical Summary - Water

Cc: Jeff Montera
Susan Griffin
Kerry Gee
Kevin Murray
Muhammed Slam
Lynn Woodbury
Jeanne Wilson

Table 1, Analytical Summary - Surface and Groundwater Data, Richardson Flat Remedial Investigation
April 2002

(units mg/l, unless specified)

Date	Sample #	As	As(D)	Al	Al(D)	ALK	As	As(D)	CA	GATIA N BAL	CD	CD(D)	CL-	CO3	COND.	CR	CR(D)	CU	CU(D)	FE	FE(D)	HARD	HCO3	Hg	Hg(D)	K	MM	MM(D)	NA	NO2/NO3	P	PB	PB(D)	SE	SE(D)	SEI	SEI(D)	SO4=	TDS	Zn	Zn(D)	pH		
SURFACE WATER																																												
	1-Apr-02 RF-SW-6-2	<0.005	<0.005	<0.050	<0.050	190	<0.005	<0.005	246	6.0	<0.001	<0.001	88	<1.0	1522	<0.010	<0.010	<0.005	0.44	<0.10	812	190	<0.0002	<0.0002	3.4	48	3.2	3.1	40	0.38	<0.10	<0.005	<0.005	<0.004	<0.004	<0.004	<0.004	501	1212	3.9	0.19	0.066	7.8	
	1-Apr-02 RF-SW-506-2	<0.005	<0.005	<0.050	<0.050	186	<0.005	<0.005	240	5.3	<0.001	<0.001	93	<1.0	1524	<0.010	<0.010	<0.005	0.41	<0.10	794	186	<0.0002	<0.0002	3.6	48	3.2	3.1	38	0.40	<0.10	<0.005	<0.005	<0.004	<0.004	<0.004	<0.004	482	1204	3.2	0.19	0.066	7.7	
	1-Apr-02 RF-SW-RF7-2	<0.005	<0.005	0.17	<0.050	165	0.005	0.005	134	<1.0	0.004	0.004	233	<1.0	1394	<0.010	<0.010	0.008	0.005	0.57	<0.10	483	165	<0.0002	<0.0002	4.3	36	0.22	0.18	96	<0.10	<0.10	0.042	<0.005	0.006	<0.004	<0.004	230	889	4.6	1.2	1.1	8.1	
	1-Apr-02 RF-SW-RF8	<0.005	<0.005	0.15	<0.050	146	<0.005	<0.005	141	5.1	0.003	0.002	216	<1.0	1447	<0.010	<0.010	0.006	<0.005	0.51	<0.10	502	146	<0.0002	<0.0002	4.3	37	0.14	0.11	103	<0.10	<0.10	0.079	<0.005	0.008	<0.004	<0.004	228	917	4.5	1.1	1.0	8.1	
GROUNDWATER																																												
	1-Apr-02 RF-GW-RT11	<0.005	<0.005	<0.050	<0.050	207	<0.005	0.006	293	2.3	0.13	0.13	504	<1.0	2520	<0.010	<0.010	0.035	0.030	<0.10	<0.10	1035	207	<0.0002	<0.0002	2.4	74	0.055	0.053	139	<0.10	<0.10	0.33	0.34	0.016	0.017	<0.004	<0.004	385	1740	<1.0	10	10	7.5
	1-Apr-02 RF-GW-RT-S011	<0.005	<0.005	<0.050	<0.050	208	<0.005	0.006	292	1.2	0.13	0.13	496	<1.0	2520	<0.010	<0.010	0.035	0.030	0.36	<0.10	1030	208	<0.0002	<0.0002	2.5	73	0.060	0.053	139	<0.10	<0.10	0.34	0.33	0.016	0.017	<0.004	<0.004	415	1746	<1.0	11	10	7.6
	1-Apr-02 RF-GW-RT12	<0.005	<0.005	<0.050	<0.050	98	<0.005	0.007	395	5.3	0.075	0.073	242	<1.0	2470	<0.010	<0.010	0.008	0.007	14	13	1268	98	0.0017	0.00094	2.9	68	5.3	5.0	100	<0.10	<0.10	0.006	<0.005	<0.005	0.005	0.009	900	2095	22	22	22	7.3	
	1-Apr-02 RF-GW-RT13	<0.005	<0.005	<0.050	<0.050	324	<0.005	<0.005	293	7.8	<0.001	<0.001	64	<1.0	1654	<0.010	<0.010	<0.005	<0.005	0.15	<0.10	984	324	<0.0002	<0.0002	<2.0	61	2.2	2.1	24	<0.10	<0.10	<0.005	<0.005	0.008	0.012	507	1341	<1.0	0.012	<0.010	<0.010	7.8	
	1-Apr-02 RF-GW-RT14	<0.005	<0.005	0.13	<0.050	254	<0.005	<0.005	259	8.4	<0.001	<0.001	67	<1.0	1621	0.014	<0.010	<0.005	<0.005	0.72	0.30	910	254	<0.0002	<0.0002	<2.0	64	8.3	8.0	33	<0.10	<0.10	<0.005	<0.005	<0.004	<0.004	506	1291	2.4	0.43	0.33	7.8		
	1-Apr-02 RF-GW-RT15	<0.005	<0.005	0.054	<0.050	141	<0.005	<0.005	483	<1.0	0.12	0.12	63	<1.0	2660	<0.010	<0.010	0.009	0.010	<0.10	<0.10	1088	141	<0.0002	<0.0002	4.6	117	2.4	2.3	23	<0.10	<0.10	0.073	0.072	<0.005	0.006	<0.004	0.007	1574	2717	1.0	24	23	7.7
	1-Apr-02 RF-RT-7	<0.005	<0.005	1.2	<0.050	350	0.016	<0.005	273	2.4	<0.001	<0.001	396	<1.0	2270	<0.010	<0.010	<0.005	<0.005	5.3	3.9	991	350	<0.0002	<0.0002	2.8	75	2.4	2.3	120	<0.10	<0.10	0.013	<0.005	<0.005	<0.004	<0.004	344	1535	21	0.035	<0.010	7.8	

Notes:
RF-SW-RF8-502 is a duplicate of RF-SW-RF-6-2
RF-GW-5011 is a duplicate of RF-GW-RT11
nm-not measured

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 2008721

SITE NAME: RICHARDSON FLAT TAILINGS

DOCUMENT DATE: 05/09/2002

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☒ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX A Laboratory Reports, Chain-of-Custody

APPENDIX B Field Data Sheets
